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URS Italia S.p.A.
Via G. Watt, 27
20143 Milano
Italy

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Rev.: 00 / all.08

Company: Trans Adriatic Pipeline AG

Doc. Originator: URS Italia S.p.A.

Project Title: **Trans Adriatic Pipeline – TAP**

Document Title: **Studio geotecnico e geofisico lungo il tracciato del gasdotto - Italia**
Allegato 8 Colonne stratigrafiche dei sondaggi geotecnici

Rev.	Purpose of Issue	Remark/Description	Orig.	Date
0A	Issued for Information	Bozza per revisioni		01/07/2015
0B	Issued for Information	Conclusioni e raccomandazioni		15/07/2015
00	Issued for Information	Versione finale		31/07/2015

Final Purpose of Issue: Issued for Information

	CONTRACTOR			TSP East	
	created by:	checked by:	approved by:	checked by:	accepted / approved by:
Name/Signature	A. Passero	P. Alesina	G. Lucchini		
Date	31/07/2015	31/07/2015	31/07/2015		
Org. / Dept.	URS	URS	URS		
Document Status	**Preliminary**	**Checked**	**Approved**	**Checked**	**Accepted / Approved**

URS

TAP - Trans Adriatic Pipeline

SOIL INVESTIGATION ITALY

Preparato per:
E.ON Technologies GmbH

Luglio, 2015

Studio geotecnico e geofisico lungo il tracciato del gasdotto - Italia

Allegato 8
Colonne stratigrafiche dei sondaggi geotecnici

PERCORSO DI REDAZIONE / APPROVAZIONE DEL DOCUMENTO				
VERSIONE	**NOME**	**FIRMA**	**DATA**	**POSIZIONE**
Preparato da	A. Passero		Luglio, 2015	Senior Geologist
Controllato da	P. Alesina		Luglio, 2015	Project Manager
Approvato da	G. Lucchini		Luglio, 2015	Technical Director

TITOLO:
STUDIO GEOTECNICO E GEOFISICO LUNGO IL TRACCIATO DEL GASDOTTO (ITALIA)
Allegato 08

Progetto No.
46318-441

Contatto / Cliente:
Florian Guballa

Cliente:
E.ON Technologies GmbH
Alexander-von-Humboldt-Straße 1
45896 Gelsenkirchen

Emesso da:
URS Italia S.p.A.
Via G. Watt, 27
20143 Milano (Italy)

REVISIONI DEL DOCUMENTO		
VERSIONE	**DATA**	**Dettagli delle Revisioni**
0A	01/07/2015	Bozza per revisioni
0B	15/07/2015	Conclusioni e raccomandazioni
00	31/07/2015	Versione finale

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 28, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH10**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,40		Brown sandy silt.	
		Whitish calcarenite, highly fractured. Fractures filled with red silty soil from 1,00 to 5,00 m bgs.	
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 27, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH11**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
1,50		Brown sandy silt	SPT 0,50-9,45 (2-1-3) C1 (C.D.) 1,30-1,40
10,00		Whitish calcarenite, with variable degree of fracturing.	
		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	from april 23 to 24, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH11bis**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,40		Brown sandy silt.	
		Whitish calcarenite, from very to low fractured	
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	from april 22 to 23, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH11ter**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,70		Brown sandy silt.	0,50 SPT 15-REF 0,95
		Whitish calcarenite, from very to low fractured	
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	from april 21 to 22, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH1Bbis**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,60		Brown sandy silt.	
		Whitish calcarenite, from low to very fractured	
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	april 22, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH1B**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,65		Brown sandy silt.	0,50 SPT REF 0,95
7,50		Whitish calcarenite, from low to very fractured. Cavity from 7,50 to 8,00 m bgs.	
8,00			
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	from april 20 to 21, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH1Bter**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0.50		Brown sandy silt.	
0.80		Yellowish coarse, porous,calcarenite, very fractured and weathered.	from 0,80 to 1,20 D.S. C1
1.70		Reddish silty clayey.	
3.60		Whitish weakly clayey silt with calcareous clasts and/or pebbles; level of green silty clay from 2,20 to 2,50 m bgs.	
5.00		Reddish to light orange sandy silt with clasts and pebbles.	from 4,50 to 5,00 U.S. C1
7.20		Whitish calcarenite with high degree of fracturing and presence of cavities (7,2-7,6 m bgs, 7,7-8,3 bgs, 9,00-9,30 bgs)	
7.60			
7.70			
8.30			
9.00			
9.30			
10.00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0.0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0 32.5 35.0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	June 9, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH3**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,10		Brown sandy silt.	
2,50 groundwater level		Yellowish sand, well sorted. Calcarenitic level at -2,50÷-2,80 and at -3,50÷-4,70 m bgs.	3,00÷3,45 m bgs D.S. C1 SPT1 14-17-19
4,80			
6,50		Whitish sandy silt.	6,20-6,65 m bgs D.S. C2 SPT2 4-4-6
10,00		Whitish sand, well sorted. Calcarenitic levels at -7,20÷-7,50 and at -7,70÷-7,90 m bgs.	9,50-9,95 m bgs D.S. C3 SPT3 7-8-10
		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

URS

Site manager:	***Project no.:***	***Date:***
AP	46318-441	april 20, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH3B**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT	Core recovery, % (0 20 40 60 80)	RQD, % (very poor / poor / fair / good / excellent)	
0,50		Reddish sandy silt.				0,0
2,00		Yellowish weakly clayey sandy silt with calcareous clasts and/or pebbles equal or bigger than one decimeter.	SPT 1,50 / 27-REF / 1,95			
3,60		Yellowish coarse, porous,calcarenite, very fractured and weathered.				2,5
		Whitish calcarenite with low to high degree of fracturing				5,0
						7,5
10,00						10,0
		bottom of the borehole				12,5
						15,0
						17,5
						20,0
						22,5
						25,0
						27,5
						30,0
						32,5
						35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	May 14, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH4**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,10		Brown sandy silt	
0,60		Yellowish sand	
2,40		Yellowish calcarenite	
6,52 groundwater level		Yellowish sand	3,50÷4,00 m bgs U.S. C1 4,00-4,45 m bgs D.S. C2 SPT1 4-5-7 6,50-6,95 m bgs D.S. C2 SPT2 8-18-20
10,00		bottom of the borehole **Lefranc tests at -4,00÷-5,00 and -9,00÷-10,00 m bgs**	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 30, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH5**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,20		Brown sandy silt	
1,80		Yellowish calcarenite, very fractured	1,00-1,45 SPT1 Ref
		Yellowish sand, with clasts variable in size from 6,00 to 8,00 m bgs	from 2,80 to 3,40 U.S. C1
7,00 groundwater level			7,00-7,45 SPT2 22-Ref
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 29 to 30, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH6**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,20		Brown sandy silt	
			1,00-1,45 SPT1 32-40-Ref
			2,80-3,25 SPT2 29-33-37
			from 6,00 to 6,40 U.S. C1
5,00 groundwater level		Yellowish calcareous sand	
			7,00-7,45 8-12-12 SPT3 + C2
10,00			
		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 29, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH7**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,60		Brown sandy silt	
2,60		Yellowish calcarenite, porous, very fractured	from 3,00 to 3,50 U.S. C1
7,00 groundwater level		Yellowish calcareous sand, becoming denser downward.	from 7,00 to 7,40 D.S. C2
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 29, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH7bis**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,40		Brown sandy silt	0,50-0,95 SPT 6-3-4
		Yellowish calcareous sand, becoming denser downward.	from 3,00 to 3,30 D.S. C1 from 3,80 to 4,40 U.S. C2
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 29, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH8**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT	Core recovery, % (0 20 40 60 80)	RQD, % (very poor / poor / fair / good / excellent)
0,60		Brown sandy silt	0,50-0,95 SPT Ref		
		Yellowish calcareous sand, becoming denser downward.	from 4,00 to 4,50 U.S. C1 from 5,00 to 5,40 D.S. C2		
10,00		bottom of the borehole			

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 28, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH9**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring		

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,40		Brown sandy silt	
4,00		Yellowish calcarenite, porous, highly fractured.	
10,00		Yellowish sand	from 6,00 to 6,40 D.S. C1
		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 28, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH9bis**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,20		Brown sandy silt	
		Yellowish calcarenite, porous, highly fractured.	
6,50			
		Brown clayey silt with clasts variable in size.	from 7,00 to 7,50 U.S. C1
10,00			
		bottom of the borehole	

Core recovery, %: 0 | 20 | 40 | 60 | 80

RQD, %: very poor | poor | fair | good | excellent

0,0 | 2,5 | 5,0 | 7,5 | 10,0 | 12,5 | 15,0 | 17,5 | 20,0 | 22,5 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [ ]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	April 28, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**BH9ter**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm

Cumulated depth, m	Lithology	Description	Sample and/or SPT
0,30		Brown sandy silt	
		Whitish calcarenite, with low degree of fracturing.	
10,00		bottom of the borehole	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

0,0 2,5 5,0 7,5 10,0 12,5 15,0 17,5 20,0 22,5 25,0 27,5 30,0 32,5 35,0

CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [x]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	May 7-8 and 27, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**ST_BH1 / Piezo 6**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm (alesaggio a 127 mm)

Cumulated depth, m	Description	Sample and/or SPT
0.40	Brown sandy silt	
2.30	Yellowish calcarenite, porous, very fractured	1,60-2,00 C1
3.00		3,00-3,50 U.S. C2
	Yellowish sand	4,00-4,50 D.S. C3
		6,00-6,45 D.S. C4
7.50		SPT1 7-14-32
	Whitish silty sand	
10.00		9,00-9,45 SPT2 6-6-12
11.00	Core destruction drilling from 10,00 to 11,00 m bgs	
	bottom of the borehole	
	Lefranc tests at -4,00÷-5,00 and -9,50÷-10,00 m bgs	

Core recovery, %: 0 20 40 60 80

RQD, %: very poor | poor | fair | good | excellent

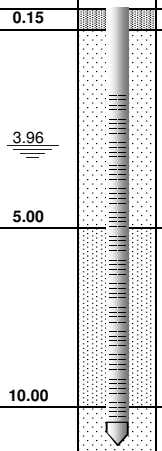
0.0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0 32.5 35.0

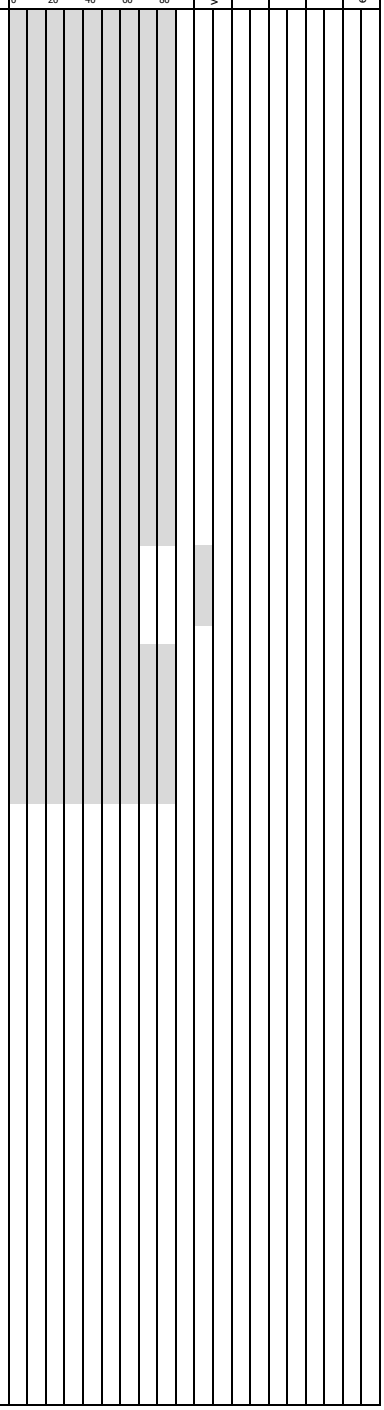
CLIENT:	**E.ON. NEW BUILT & TECHNOLOGIES**
PROJECT	**TAP SOIL INVESTIGATION, ITALY**
LOCATION	**MELENDUGNO (LE)**

Borehole [x] ***Piezometer*** [x]

Site manager:	***Project no.:***	***Date:***
AP	46318-441	May 11-12 and 25-26, 2015
Subcontractor:	***drilling machine:***	***Borehole id:***
Tecnoin		**ST_BH2 / Piezo 4**
Drilling method:	***Core barrel diameter:***	***Bore diameter:***
Rotary coring	101 mm	101 mm (alesaggio a 127 mm)

Cumulated depth, m	Description	Sample and/or SPT
0.15	Brown sandy silt	
3.96	Yellowish sand	2,00-2,60 C1 U.S. 2,60-3,05 C2 D.S. SPT1 14-19-16 5,00-5,45 C3 D.S. SPT2 6-9-15
5.00		
10.00	Whitish silty sand	8,00-8,45 C4 D.S. SPT3 11-16-17
13.40	Yellowish sand, very well sorted	11,00-11,45 C5 D.S. SPT4 6-9-8
15.10	Yellowish calcarenite, very fractured	14,50-15,00 C6 D.S. (rock)
20.00	Yellowish sand, very well sorted	17,00-17,45 C7 D.S. SPT5 23-27-32
	Lefranc tests at -5,00÷-6,00 and 9,00÷-10,00 and 19,00÷20,00 m bgs, Lugeon at -14,00÷-15,00 m bgs	





0.0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0 32.5 35.0